

In The Claims

Please amend the claims as follows:

1. (CURRENTLY AMENDED) A shrink film comprising a polyethylene film of thickness 5 to 500 μm , wherein said polyethylene comprises an ethylene homopolymer-copolymer mixture having a molecular weight distribution in the range 5 to 40, a density of 960 to 980 kg/m^3 and a weight average molecular weight of at least 100 kD.

2. (Cancelled)

3. (PREVIOUSLY PRESENTED) A shrink film as claimed in claim 1, wherein the copolymer has a density of 890 to 920 kg/m^3 .

4. (PREVIOUSLY PRESENTED) A shrink film as claimed in claim 1, wherein the density of the homopolymer-copolymer mixture is 920 to 945 kg/m^3 .

5. (PREVIOUSLY PRESENTED) A shrink film as claimed in claim 1, wherein the Mw of the homopolymer-copolymer mixture is 150 to 300 kD.

6. (CURRENTLY AMENDED) A shrink film as claimed in claim 1, wherein the Mw of the homopolymer-copolymer mixture is at least 230 kD.

7. (PREVIOUSLY PRESENTED) A shrink film as claimed in claim 1, wherein the MWD of the homopolymer-copolymer mixture is in the range 10 to 35.

8. (ORIGINAL) A shrink film as claimed in claim 7 wherein the MWD of the homopolymer-copolymer mixture is in the range 15 to 25.

9. (PREVIOUSLY PRESENTED) A shrink film as claimed in claim 1, wherein the ratio of homopolymer to copolymer in said mixture is in the range 1:5 to 5:1 by weight.

10. (ORIGINAL) A shrink film as claimed in claim 9 wherein the ratio of homopolymer to copolymer in said mixture is in the range 60:40 to 40:60 by weight.

11. (PREVIOUSLY PRESENTED) A shrink film as claimed in claim 1, wherein the copolymer comprises ethylene and 1-butene or ethylene and 1-hexene.

12. (PREVIOUSLY PRESENTED) A shrink film as claimed in claim 1, wherein the copolymer comprises an ethylene, 1-butene and 1-hexene terpolymer.

13. (PREVIOUSLY PRESENTED) A shrink film as claimed in claim 1, wherein said film has a thickness of 20 to 120 μm .

14. (CURRENTLY AMENDED) A shrink film as claimed in claim 1, wherein said shrink film is a multilayer film.

15. (CURRENTLY AMENDED) A shrink film as claimed in claim 1,

wherein said shrink film is unilamellar.

16. (ORIGINAL) A shrink film as claimed in claim 15 having a thickness of 100 to 200 μm .

17. (PREVIOUSLY PRESENTED) A shrink film as claimed in claim 1, wherein said film exhibits at least 15% shrink in the transverse direction upon application of heat.

18. (ORIGINAL) A shrink film as claimed in claim 14 wherein said multilayer film comprises a layer in which at least 95% wt is formed from said ethylene homopolymer-copolymer mixture.

19. (CURRENTLY AMENDED) A process for wrapping an object comprising applying a shrink film about said object and shrinking said film by the application of heat thereto, wherein said film is a shrink film comprising a polyethylene film of thickness 5 to 500 μm , wherein said polyethylene comprises an ethylene homopolymer-copolymer mixture having a molecular weight distribution in the range 5 to 40, a density of 960 to 980 kg/m^3 and a weight average molecular weight of at least 100 kD.

20. (CURRENTLY AMENDED) An object shrink wrapped with a shrink film comprising a polyethylene film of thickness 5 to 500 μm , wherein said polyethylene comprises an ethylene homopolymer-copolymer mixture having a molecular weight distribution in the range 5 to 40, a density of 960 to 980 kg/m^3 and a weight average molecular weight of at least 100 kD.

21. (Cancelled)

22. (CURRENTLY AMENDED) ~~A polyolefin~~ The shrink film of claim 1
having a Dart drop value (g)/film thickness (μm) of 5 g/ μm or more.

23. (Cancelled)

24. (PREVIOUSLY PRESENTED) The shrink film of claim 22, wherein the film is unilamellar.

25. (PREVIOUSLY PRESENTED) The shrink film of claim 22, wherein Dart drop value (g)/film thickness (μm) is 6 g/ μm or more.